

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Israel, et al.  
Title: OPTIMAL SILICON DIOXIDE PROTECTION LAYER THICKNESS FOR SILVER LAMP  
REFLECTOR  
Serial No.: Not Assigned Yet  
Art Unit: Not Assigned Yet  
Filing Date: Herewith  
Examiner: Not Assigned Yet  
Date: August 1, 2003  
Atty. Dkt. No.: LDHQ10695-3 (GECZ 2 00083-2-3)

INFORMATION DISCLOSURE STATEMENT

**Mail Stop – Patent Application**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

The following are submitted in the above application in compliance with 37 CFR 1.97 and 37 CFR 1.98.

1. A list of documents on Form PTO-1449 or Substitute together with copies of each identified document and a translation thereof or a concise explanation of each non-English language document or a Search Report or communication from a non-US patent office or an International Search Report from an International Searching Authority for a patent application filed via the Patent Cooperation Treaty or document(s) cited in the application or the priority application.

This paper is submitted in accordance with:

2. 37 CFR 1.97(b): [within three months of national, non-CPA filing, prior to first Office Action, on the merits, or prior to first office action after filing an RCE]

3. 37 CFR 1.97(c): [before Final Office Action, Allowance, or other action closing prosecution, whichever is earlier]; and

a. The required Certification made in item 5 below; or

b. The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 6 below.

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 as Express Mail No. EV341149075US on Aug. 1, 2003 and is addressed to Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

By Chery Kobylinski  
Cheryl Kobylinski

Date: 8/1/2003

[ ] 4. 37 CFR 1.97(d): [on or before issue fee payment]; and

a) The required Certification is stated in item 5 below; and

b) The \$180.00 fee specified in 37 C.F.R. 1.17(p) for submission of this Information Disclosure Statement is authorized in item 6 below.

[ ] 5. Certification

[ ] a. Each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of this Statement; or

[ ] b. No item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application and, to the knowledge of the person signing this document after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing date of this Statement.

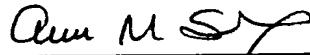
[ ] 6. Payment of all applicable fees:

- Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. \_\_\_\_\_.
- Enclosed is a check in the amount of \$\_\_\_\_\_ in payment of all applicable fees associated with the submittal of this Information Disclosure Statement.

This document is submitted in duplicate.

Respectfully submitted,

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Subst. Form PTO-1449  APPLICANT'S(S') INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: LDHQ10695-3 GECZ 2 00083-2-3	Serial No.: Not Assigned Yet
	Applicant(s): Israel, et al.	
	Filing Date: Herewith	Group: Not Assigned Yet

## U.S. PATENT DOCUMENTS

Initial *		Document No.	Date	Name	Class	Subcl.	Filing Date
	AA	3,010,045	05/1955	Plagge, et al.			
	AB	3,687,713	03/1971	Adams			
	AC	4,009,947	03/1977	Nishida, et al.			
	AD	4,160,929	07/1979	Thorington, et al.			
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	AI	4,425,606	01/1984	Shanks, et al.			
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	AM	4,482,209	11/1984	Grewal, et al.			
	AN	4,508,054	04/1985	Baumberger, et al.			
	AO	4,547,432	10/1985	Pitts, et al.			

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subcl.	Translation
	AP						
	AQ						

## OTHER ART

	AR1	D.K. Burge, et al., "Effect of Atmospheric Exposure on the Infrared Reflectance of Silvered Mirrors With and Without Protective Coatings," <i>Applied Optic</i> , Vol. 12, No. 1, pp. 42-47 (1973)
	AR2	Gulino, et al., "Chemical Vapor Deposited Silica Coatings for Solar Mirror Protection," Prepared for 26th Aerospace Sciences Meeting sponsored by the American Institute of Aeronautics and Astronautics, Reno, Nevada, pp.1-8 (January 1988)

Examiner:	Date Considered:
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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant.

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	Filing Date: Herewith	Group: Not Assigned Yet

## U.S. PATENT DOCUMENTS

Initial *		Document No.	Date	Name	Class	Subcl	Filing Date
	BA	4,685,110	08/1987	DeBell, et al.			
	BB	4,701,663	10/1987	Kawakatsu, et al.			
	BC	4,959,583	09/1990	Arsena, et al.			
	BD	4,987,343	01/1991	Kosmatka, et al.			
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	BI	5,825,565	10/1998	Papenburg, et al.			
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	BL	6,416,194	07/2002	Demiryont			

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subcl	Translatio n?
	BM						

## OTHER ART

	BN1	G. Hass, et al., "Reflectance and durability of Ag mirrors coated with thin layers of $Al_2O_3$ plus reactively deposited silicon oxide," <i>Applied Optics</i> , Vol. 14, No. 11, pp. 2639-2644 (1975).
	BN2	Elvedin Sirbegovic et al., "An Investigation of the durability of front surface Ag mirrors using oxide protecting layers," <i>Vacuum</i> , Vol. 43, No. 5-7, pp. 763-765 (1992)
	BN3	P. Hollingsworth Smith and H. Gurev, "Silicon Dioxide as a High Temperature Stabilizer for Silver Films*, " <i>Thin Solid Films</i> , 45, pp. 159-168 (1977)

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